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 Temporary Memorandum
 Western Electric Company, Incorporated
 Installation Engineering - Kearny

T.M. 8.69

4-24-68

TAPING
 PROTECTING POWER FEEDER CONNECTIONS
 TO MODULAR AND 70 TYPE FUSE PANELS

1. GENERAL

1.1 Description

1.1.1 This T.M. deals with the power feeder connections to Modular Type and 70 Type Fuse Panels. These fuse panels are used in most systems, e.g., Crossbar #1, #4 and #5, Power, etc.

1.1.2 Normally, job and shop made power wire connections to the above panels are fitted with rubber boots. Rubber boots (P-48D941, P-44F165, etc.) are no longer available. Replacing Plastic boots (P-47Y011, P-47Y010, etc.) have been standardized but they will not be in production until the third or fourth quarter of 1968.

1.1.3 Mounted panels that are shop wired will be shop taped. Panels shipped loose and panels requiring job installed power feeder connections must be taped by the installer until the new boots become available.

2. MATERIALS REQUIRED BY THE INSTALLER

2.1 Any of the following groups is satisfactory:

Group A

RM-591127	Tape, Friction, 3/4"
R-3454	Shellac, Orange
or	
R-3455	Shellac, White

Group B

R-3428	Tape, Gray Plastic Adhesive, 3/4"
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Group C

R-3359	Tape, Gray Plastic Adhesive, 1/2"
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3. ACTION TO BE TAKEN

3.1 Inspect the connection of the wire to the lug for proper assembly.

3.11 If the wire to lug is a mechanical connection verify the tightness of the slotted screw with a screw driver or the Allen head screw with the proper Allen wrench. See Section 7D, Paragraph 13.2.

3.12 If the wire to lug is a compression connection verify that the wire end is even with or extends beyond the crimped portion of the lug. The ends of the strands shall not move when the wire is twisted against the lug and the wire cannot be removed when pulled against the lug.

3.13 If the wire to lug is a soldered connection inspect to make sure that the wire and lug or punching have been properly tinned. Verify per Section 7C, Paragraphs 5.24 or 7.4.

3.2 Verify the tightness of the machine screws and nuts that secure the lug or punching onto the bar and that secure the multiplying bars to adjacent units.

3.3 Using friction tape or plastic tape, tape the wire, lug and bar assembly extending the tape to within 1/2" of the panel and approximately 1/2" onto the wire insulation. Apply the tape in a half-lap manner. If friction tape is used apply one coat of shellac over the tape.

4. DISPOSITION OF EXPENSE

4.1 If the amount of work involved in performing the above operations is sufficient to meet the requirements of CI 47.242-23, it shall be reported on SD-1007 J.I.M. for issuance of a Type "X" supplementary estimate in the X-40 category,

Manager, Product Engineering

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